

# Revel C426Be

3-Way Quadruple 6.5" Center Channel Loudspeaker

REVEL®

PERFORMA **Be**<sup>4</sup>™



Beryllium — Element 4 on the Periodic Table — is a rare earth metal that is renowned for its remarkable physical properties that make it the ideal material for a high-frequency transducer. Compared to aluminum and titanium tweeter diaphragms, Beryllium offers 4.5 times the stiffness and three times more damping, and does so at only half of the weight. Beryllium tweeters are the centerpiece of the Revel PerformaBe loudspeaker series.

The Revel C426Be joins our award-winning PerformaBe series as a high-performance center channel loudspeaker for use in a multichannel home theater environment. As part of the PerformaBe loudspeaker line, the C426Be includes a 1-inch (25mm) beryllium tweeter driven by massive 85mm dual ceramic magnets. The powerful tweeter and 5th-generation ceramic-coated, cast-aluminum Acoustic Lens waveguide seamlessly integrate with the directivity of the companion midrange driver resulting in greater efficiency, improved dynamic range, reduced distortion, and increased power handling compared to aluminum or titanium tweeters.

The 5.25-inch (130mm) midrange and quadruple 6.5-inch (165mm) aluminum cone woofers utilize Deep Ceramic Composite (DCC) cones for improved performance. DCC is a plasma electrolytic oxidation process that uses a plasma discharge to create a coarse ceramic coating on both sides of the aluminum core. The deep ceramic layers sandwiching the aluminum core provide constrained layer damping that push cone breakup modes outside of the passband allowing the driver to maintain ideal piston motion throughout its range. DCC cones combine with optimized motor magnetics to deliver improved mid- and low-frequency performance.

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## Highlights:

- 1-inch Beryllium Dome Tweeter
- 5th-generation Acoustic Lens Waveguide
- Deep Ceramic Composite (DCC) Cone Midrange and Woofers
- High-order Crossovers with Film Capacitors and Air Core Inductors
- Magnetically Attached Grilles
- 4 Premium high-gloss finishes available

## Specifications:

|                                   |                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------|
| Type                              | 3-way quadruple 6.5" center channel loudspeaker                                |
| Low-frequency transducer          | Four 6.5" (165mm) Deep Ceramic Composite (DCC) aluminum cones with cast frames |
| Midrange transducer               | 5-1/4" (130mm) Deep Ceramic Composite (DCC) aluminum cone, with cast frame     |
| High-frequency transducer         | 1" (25mm) Beryllium dome with acoustic lens waveguide                          |
| Recommended amplifier power range | 50–300 Watts RMS                                                               |
| Frequency response                | 38Hz – 40kHz (-6dB)                                                            |
| Low-frequency extension           | 35Hz (-10dB); 38Hz (-6dB); 41Hz (-3dB)                                         |
| Nominal impedance                 | 8 ohms                                                                         |
| Sensitivity (2.83V/1m)            | 90dB                                                                           |
| Crossover frequencies             | 210Hz; 2.1kHz                                                                  |
| Enclosure type                    | Bass-reflex via 2 rear-mounted ports                                           |
| Input type                        | Dual gold-plated binding posts with shorting straps                            |
| Available high-gloss finishes     | Black, White, Metallic Silver, and Walnut                                      |
| Dimensions (H x W x D)            | 10.4" x 38.6" x 14"<br>(263mm x 979.7mm x 358mm)                               |
| Product Weight:                   | 61lb (27.7kg)                                                                  |